One billion resilient by 2030
Kurt Shickman, Director, Extreme Heat Initiatives
Adrienne Arsht-Rockefeller Foundation Resilience Center
Arsht-Rock priorities

- Extreme Heat
- Gaming and technology
- Individual and community resilience
- Innovative finance and policy
Our Work
Taking on extreme heat: the “silent killer”
Extreme heat crisis by the numbers

#1
killer of climate impacts

$100B
in economic impact to US economy in 2020

1B
people will be exposed to lethal heat waves (at 2.0C) by 2050

1000
people died in June of 2021 in Pacific NW and British Columbia

105F
iPhones shut down from overheating

120F
planes can't fly
Extreme heat’s disproportionate toll on the urban poor & people of color

- The Urban Poor
- Lack of Cool Spaces
- Limited Access to Capital
- Lack of Vegetation & Shade
- Heat Exposed Occupations
- Food Insecurity
- Loss of Livelihoods
- Lack of Adaptive Capacity
- Limited Access to Capital

Lack of Cool Spaces
Lack of Vegetation & Shade
Heat Exposed Occupations
Food Insecurity
Loss of Livelihoods
Lack of Adaptive Capacity
Limited Access to Capital
Delivering heat expertise to vulnerable city dwellers

Policy Challenge: Heat is a multi-disciplinary threat that requires broad response.
Our Solution: Launching EHRA and CCHA.

Policy Challenge: The gap between public awareness of heat risks and the actual danger posed by heat is wide and deadly.
Our Solution: Naming and Categorizing Heat Waves and the #HeatSeason Campaign.

Policy Challenge: Heat response efforts are spread across many agencies with no central coordination or responsibility.
Our Solution: Create the role of Chief Heat Officers.

Policy Challenge: Global lack of awareness and resources needed to urgently scale heat resilience actions.
Our Solution: Center global attention on heat by leading the Race to Resilience, support implementation with financing via the Cool Cities Capital Stack and through analytics and tools such as the Heat Action Platform.
The Extreme Heat Resilience Alliance
Protecting vulnerable people and livelihoods from heat

~50 organizations and individuals

Expert Science Panel

Advisory and joint implementation
Closing the heat awareness gap

Raising awareness: our digital tools and campaigns

#HeatSeason Campaign

US Climate Resilience Map

Looking for solutions to the big climate risks in your city?
Closing the heat awareness gap

Naming and Categorizing Heat Waves based on their health impact

6 city pilots

Legislation in CA
Communications success
One major press hit every three days in 2021
Global Champion Mayors and Chief Heat Officers (CHO)

**City Champions for Heat Action** are visionary leaders committed to improving the heat resilience of their communities and developing scalable, replicable solutions.

**Chief Heat Officers** are often appointed by core partner CCHA cities. CHOs are officials charged with unifying the response to the challenge of heat to reduce the risks and impacts of extreme heat for their residents and constituents.
Economic Analysis Phase 2 Cities
COMING SOON (JUNE 2022)

- Abu Dhabi, UAE
- Athens, Greece
- Bangkok, Thailand
- Buenos Aires, Argentina
- Delhi, India
- Dhaka, Bangladesh
- Freetown, Sierra Leone
- London, UK
- Los Angeles, USA
- Miami-Dade County, USA
- Monterrey, Mexico
- Santiago, Chile
- Sydney, Australia
1.6 BILLION PEOPLE IN CITIES WILL EXPERIENCE FREQUENT EXTREME HEAT WAVES BY 2050.

Find partners and proven solutions for keeping communities safe on the **Heat Action Platform**. Dive in today.

[onebillionresilient.org/heat-action-platform](onebillionresilient.org/heat-action-platform)  #HeatActionPlatform
Financing heat resilience at scale
A Cool Capital Stack & COP 27

Deploying diverse sources of capital to protect people and livelihoods from the impacts of extreme heat.

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<th>Financing Source</th>
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Enhancing the Role of Insurance in Resilience Finance
UN High-Level Climate Champions
THANK YOU

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